91805

Acc

Page

October-19-12	12:45:32 PM		_4··	91	$\alpha(x)$						r age r
Revision ID:	646.9701			Accept	*N9(1004	010) * :	Setup Star	i Vi,	S1*
	Cutter Sub Ass 18/10/2012 01/11/2012	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust I	tem ID: ner:			Stop	' *N:	S2*
Approvals:	Process Plan	n: MLS	Date: \2-\0-\	7 Tooling:		 _ Date:		I	Run Star		R1*
	QC:		_ Date:	_ SPC (Y/N):		_ Date:			Stop	*N	R2*
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool	ID Too	ol # Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revi	sion Nbr									
646.9700	N/C										
110		Pick Kit		0.00							
110 Packaging Packaging		Мето		0.00	A) 13-0	9-10				;	
120				0.00							·
120 Small Fab		Memo		0.00		3-04-	-10				
Small Fab			s per dwg and apply loctite ITE 598: <u>[25]</u>	598 on all mating surf	aces per note 2.						
130		QC5- Inspect part compl	eteness to step on W/O	0.00	\$			_			
130 QC Quality Control		Memo		0.00 B	1 11			_0			

NCR:	Yes	/ No		4		WORK ORDER NON-O	100	NFORM	JANCE / UP	DATE				
		•									QA Closed:	Date	e:	W
Work Ord	or.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS		
Work Ord	CI.					Rework	1		Skid-tube	Crosstube]	Water Jet		Engineering
Part	Nο					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	\dashv	Quality
, uit						Use-as-is	1		noforming	Finishing	1	re/Packaging	┪	Other
NCR	No.		· · ·			Work Order Update		i i	Large Fab	Composite]	Supplier		
Root			<u> </u>		Descri	I ption of work order update		Initial	Acti	ion	Sign &			*****
Cause		Date	Step	Qty	(or Non-conformance	Ch	nief Eng	Descr	iption	Date	Verification		QC Inspector
Doc/Data														
Equip/Tooling			:						I					
Operator								ļ	ı					
Material	L								ĺ					
Setup			ĺ	•										
Other			ļ											
Process							1							
Supplier														
Training		'	1											
Unapproved									<u></u>					
							AUL	T CATE	GORY					
Landi	ng (1			_	General	_	1			7	F	_	
	L	Bending			ļ	Bend		Grain			Ovalized	_		Pressure/Forced
		Centre No	t Concer	ntric to	D/S	BOM/Route	L	Hardwa	re		Over/Under	tolerance	-	Temperature/Cure
		Cracks				Broken/Damaged	_	1 '	on Incomplete		Part Incorre		_	Weld
	$ldsymbol{ld}}}}}}$	Crushed/	Crimped.			Burrs		1	ions Incomplete/U	Jnclear	Part Lost/M	issing		Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part Moved			
		Heat Trea	it			Countersink		Mislabe	led		Positioned V			
		Inspection	n Strip in	Tube		Cut Too Short		Misread	l		Power Loss/	'Surge		Other
	1	Ripples in	Bend			Drill Holes	1	Offset						

Out of Calibration

Out of Sequence

Outside Dimensions

DQA:

Date: _

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Page 2

October-19-12	12:45:32 PM								
Item ID: Revision ID: Item Name:	646.9701 Cutter Sub As	sembly		Accept	*N9000)* ፡	Setup Star Stop	ונימו
Start Date: Required Date: Reference:	18/10/2012 01/11/2012	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item ID: Customer:				14.57
Approvals:	Process Pla	in:	Date:		Date Date		1	Run Star Stop	"NR1"
Sequence ID/ Work Center II 140 *140* Packaging Packaging	D	Operation Description Identify as per dwg & Sto	ock Location: <u>Med</u> Fab "Russ"	Set Up/ Run Hours 0.00 0.00	Tool ID 7	Tool # Plan Code	Accept Qty Z	Reject Qty	Reject Insp. Number Stamp
150 *150* QC Quality Control		QC21- Final Inspection - Memo	Work Order Release	0.00				13/4	1275 Mr 13-4-11

NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM	MANCE / UPE	DATE		·		-	
												QA Closed:	Dat	e:	
Work Order:						DISPOSITION	AGAINST DEPARTMENT/PROCESS								
Part No						Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing				Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier			Engineering Quality Other	
Root					Descri	ption of work order update		Initial	Act	ion		Sign &		\Box	
Cause		Date	Step	Qty		or Non-conformance	Ch	nief Eng	Descr	iption		Date	Verification	١	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved															
							AUL	T CATE	GORY	-					
Landi		iear Bending Centre No Cracks	ot Concer	ntric to (o/s	General Bend BOM/Route Broken/Damaged		Grain Hardwa Inspecti	re on Incomplete			Ovalized Over/Under Part Incorred			Pressure/Forced Temperature/Cure Weld

Instructions Incomplete/Unclear

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset ^

DQA:

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Part Moved

Wrong Stock Pulled

Other

Date:

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Crushed/Crimped.

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Picklist Print

October-19-12 12:45:36 PM

Work Order ID: 91805

91805

Parent Item:

646.9701

646 9701

Parent Item Name: Cutter Sub Assembly

Start Date: 18/10/2012

Required Date: 01/11/2012

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP REV:A 12.08.13 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9710		Manufactured	No			110	Each	0.0000	1	2			
646 9710)			91	190			,	**	2	20	13-04-	-10
646.9711		Manufactured	No			110	Each	0.0000	2	4			
*646 9711	*			911	266				**	4	A .	13-04	-10
MS21042L08		Purchased	No			110	Each	1,234.000	6	12			
MS21042	21 N8								**				
				Location	<u>1</u>	Loc	<u>Otv</u>	Loc Code					
				315			47			•	_		
				ST315	122452		47		_	12		~ _	
		•		21313	122814		500 500	•	_	' ~	_ ~	A 1.2	-04-10
				ST317			687		_		_		
					122141		687					•	
MS27039-08-19		Purchased	No			110	Each	600.0000	6	12			
MS27039	3-NR-19	•							** -				
				<u>Location</u>	<u>.</u>	Loc	<u>Qty</u>	Loc Code					
				ST308			600						
					123352		600			_/2	_ %	13-04	-10

												DQA:	Date	:
NCR:	Yes	s / No					WORK ORDER NON-	CO	NFOR	MANCE / UP	DATE			
							 					QA Closed:	Date	:
Work Order:							DISPOSITION	AGAINST DEPARTMENT/PROCESS						
						Rework			Skid-tube Crosstube			Water Jet	Engineering	
Part No.						Scrap		Machining	Small Fab	Pro	d. Eng. Coor.	Quality		
							Use-as-is			noforming	Finishing	Rec/Stor	re/Packaging	Other
NCR	No.						Work Order Update	_		Large Fab	Composite		Supplier	
Root					Dos	cri	ption of work order update	1	 Initial	Act	ion	Cian 0		
Cause		Date	Step	Qty	Des		or Non-conformance	ì	nief Eng	Descr		Sign & Date	Verification	QC Inspector
oc/Data	Т	Juce	эсер	αι,		`	Tron comonnance	-	iici ciig	Descr	iption	Date	vermeation	QC ITISPECTOI
quip/Tooling	\vdash									•				
perator	Г	1												
1aterial														
etup		1												
ther		1												
rocess		1												
upplier														
raining												ļ		
napproved														
-							F	AUL	T CATE	GORY				•
Land	ng (Gear					General		_					
		Bending					Bend		Grain			Ovalized		Pressure/Forced
		Centre No	t Concer	ntric to (D/S		BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks					Broken/Damaged		Inspecti	on Incomplete		Part Incorred	ct [Weld
		Crushed/0	Crimped.				Burrs		Instruct	ions Incomplete/U	nclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	L	Cuffs					Contamination		Mainte	nance		Part Moved	_	- -
		Heat Trea	t				Countersink		Mislabe	led		Positioned W	/rong	<u></u>
		Inspection	Strip in	Tube			Cut Too Short		Misread			Power Loss/S	Surge	Other
		Ripples in	Bend				Drill Holes		Offset					
		Torque W	aves in E	xtrusior	1		Drawing		Out of C	Calibration				
		Turning Se	equence				Finish		Out of S	equence				

Outside Dimensions

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

1		PICAL	ENGINE DWG N DWG T		REVIN/C PREPARE	0274 DS.HUFF SUB ASSY	4 SHEET DATE: 01/07/10	FFECT ON DWG
INI	JU	STRIES, INC.	APPROVED B	TEUED - 4 -	TMEG 10	00 H331	Anna Par EFF, N	IEXT ORDER
A-	AD	ACTION CODES (TC): D C-CREATE VISE D-DELETE	REASON	N: REWISED SCREW	LENGTH, CHANNEL		MENSIONING SCHEME SH	
2	HE	S) 352 ^{+,005} 2	-875 -PL	A 37.	THRU	.200 .702	600 R.750 UNCON SUBJECT WIT	SHOP COPY RETURN TO ENGINEERING VTROLLED COPY T TO AMENDMENT THOUT NOTICE ORK ORDER 91805 M25 12-10-19
3	R	601.3157	12	SCREW		M	S27039-0818	
		PART NUMBER	.9701 QTY	DESCRIPTION INSTALL INSTRUC	⊠ ICA □ FMS ⊠	CHANGE CA	MATERIAL/SPECIFICAT: ATEGORY DER REVIEW F MINOR D YES M	
			,				•	,

SE KASAR MINO, CIDMINALI PIDO, CIMINALIS, HE IDEEM PARA ABIGAR REMARKS AND REPORTANCIAN IN PARTITURA NAME WHEN UT BE MANISTO FEMANO CIL OF ARTIS, COMMENS A SECREPTIO. NOTES: 6. IDENTIFY IAW MPP-120 (4)12PL (6)6PL 646.9701

FINISH. HARD ANODIZE IAW MIL-A-8625 TYPE III.
CLASS 2, COLOR BLACK:
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377 J TYPE I CLASS N: 1-2 MIL MAX

MATERIAL: AISI A2 TOOL STEEL CONDITION: ANNEALED POST PROCESS: HEAT TREAT TO 58-62 RC ROCKWELL HARDNESS

FINISH: PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX

5. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED

APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 UPON ASSEMBLY

🖄 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE

UNINCORPORATED ECN(s)

02744

	6	6	601.1541	LOCKNUL	M\$01042k08	
	A/R	5	601.2045	RTV, LOCTITE 598 .		
	12	4 .	601.2764	WASHER	1943414998193379	
	- 5	· 3	501.2765	SCREW	17253.00 c (3818	
	2	2	646.9711	BLADE	A	A
1	T !	1	646.9710	BODY	Δ	<u> </u>
			645.9701	CUTTER SUB ASSY		
	0,16:	FIND #	PART #	DESCRIPTION	MATI	SPEC.
	QIY			PARTS LIST		
	MEXT ASSY (\$) IMCH DFAN F RO	CVASS OUTS	APICAL 2608 TEMPLE HEIG OCEANSIDE, GA.	HIS OR.	
			is cure is cure		ER SUB AS	
		Cave SOLE 2 P.	IS OFFERMALE SPECIAL FIGURE 4PT RESCHES FACICES ARE ICE DECEMANS # 01 CE DECEMANS # 05 ELS # 2505	B 07MZ6	646.9700	PEC N/C







